



---

# CDF Operations Report

JJ Schmidt  
5-Feb-2004  
CDF Weekly Meeting



# STORE SUMMARY

Store	Start Date	Duration (hours)	Inst Lum Initial e30 cm-2 s-1	Int. Lum Delivered nb-1	Live Lum nb-1	Good/w Silicon nb-1	Tevatron Terminate
3206	1/29	14.2	33.9	1,032	896 86.9%	717 69.5%	Corrector ps trip, Quench
3210	1/31	14.3	50.4	1,577	1,203 76.3%	1,195 75.8%	OK
3212	2/01	29.3	53.6	2,595	2,265 87.3%	2,244 86.5%	OK
3214	2/02	33.4	58.2	3,034	2,637 86.9%	2,637 86.9%	OK
3217	2/04	27.6	58.1	2,713	2,517 92.8%	2,516 92.7%	OK
Total		118.8		10,951	9,518 86.9%	9,309 85.0%	



# Accelerator Issues

---

- The previous slide almost says it all!
- The last two stores have set Tevatron records for highest initial average (CDF+D0) luminosity and highest delivered luminosity.
- Previous two stores have also been very clean for proton losses and abort gap losses. There have been no issues on including Silicon. (Rainer of course worries that “Mr. Hyde” may return.)



# CDF STATUS

---

- Record CDF initial luminosity 58.3E30 (store 3214)
- Record live luminosity 2640 nb<sup>-1</sup> (store 3214)
- Record single run lasted 26.5 hours and recorded 2.5 pb<sup>-1</sup> (store 3217 – run 178785 would have gone entire store except for one test)
- Efficiency for store 3217 was 92.7%
- SVX readout 'resonance detected' fatal error – SRC hangs but can now be recovered without experts. Silicon still working on problem (FFO upgraded this morning) but costs almost no downtime.
- L2 DTO can be recovered with Alpha reboot but is still costing about ~<1% downtime.
- Deadtime 10% at 57E30.